

## ABSTRACT OF DISCLOSURE

A magnetron for microwave ovens includes an anode cylinder, a plurality of plate-shaped vanes radially arranged along an inside surface of the anode cylinder, one or more strap rings to electrically connect the plurality of plate-shaped vanes to each other, an antenna connected to one of the plurality of vanes to radiate microwaves generated from the plurality of vanes. Each of the vanes is plated with a brazing material to be brazed to one or more of the anode cylinder, the one or more strap rings and the antenna, and the brazing material has a plating depth of about 2.25 to 8  $\mu\text{m}$ . The magnetron having the anode allows a manufacturing process of the anode to be simplified to reduce manufacturing time and equipment costs. Furthermore, the anode prevents brazing defects, and allows the magnetron to have an optimal performance.